

Sterilisation

Fresh air supply and selective ambient air extraction of clean room units ensure the removal of steam and disinfection vapours from central sterilisation and surgical instrument units.

Sterile cabinets

For ultra sterile shielding of high risk infection-prone patients e.g. intensive care after heart and marrow transplants or in the case of third-degree burns. Iphcon developed a modular, flexible system for ultra sterile cabinet installation.

Laboratories/Pharmacies

In laboratories and pharmacies our units ensure the best possible product safeguards and personal safety as well as optimum hygiene – for instance in ancestral cell research and dacarbazine production.

Intensive care units

Our units provide optimum hygiene and air-conditioning in intensive care units – that ensure a sensitive link between operating theatre and the ward.

Diagnosis

In diagnosis we create an optimum climate for analytical and technical fields, this includes magnetic resonance tomography, together with comfort air-conditioning adapted to patient needs.

Sterile laundries

In the sterile laundry, our systems and units ensure hygienic conditions for the entire cleaning process around the OT.

Our systems, components and plants follow international and particularly local standardisation, e. g. DIN 1946 Part 4, SWKI, GOST, BSI Group and HTM 2025.

For over 25 years our engineers have provided manufacturing units and systems for generating optimised Air- Conditioning requirements

Our core business revolves around complete ceiling systems and air-conditioning for operating theatres, clean room technology developments and production as well as environmental solutions.

We provide bespoke solution particularly where space is at a premium, such as in relatively small operating theatres with large OT ceilings (approx. 3 x 3 m), when beams or sanitary plumbing are in the suspended ceiling or where the ceiling is low.



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Your local Iphcon-partner

..... *High energy efficient*

**Hygienic Air-Conditioning
Engineering, Systems and
Turn-Key-Solutions**

**Solutions for Health Care and
Pharmaceutical Production**



System solutions for Hospitals and Pharmaceutical Production are amongst the most demanding fields of application of modern Clean Room Technology.

We provide a full range of systems and/or components:

Hospital:

- ❖ Operating Theatres
- ❖ Sterile Cabinets
- ❖ Laboratories
- ❖ Hospital Pharmacies
- ❖ Sterilisation Department/Unit
- ❖ Sterilization
- ❖ Intensive Care units
- ❖ Sterile Laundries
- ❖ Endoscopic/ Diagnostic

Pharmaceutical Production:

- ❖ Clean Room
- ❖ Laminar-Flow
- ❖ Weighing Cabinet
- ❖ Bio Safety Cabinets
- ❖ Mini-Environments

Special Solutions:

- ❖ Wall to Wall Systems
- ❖ Operating theatres with Individual climatized, Ventilated and Ultra Clean Air Zones
- ❖ Heat-Recovery-Systems
- ❖ Heat-Pump-Systems

System solutions from one partner = iphcon

iphcon is head of a group of companies which supply:

- ❖ Manufacturing of Systems and Components
- ❖ Well experienced Engineering and Planning Bureau
- ❖ Engineering Company for Energy Efficiency

So we are able to provide Turn-Key-Solutions as well as systems and components for planning and engineering. There will be only one partner responsible for the project: iphcon

Our scope of supply:

- ❖ System consulting, development & planning
- ❖ Manufacturing
- ❖ Installation and Commissioning
- ❖ Plug and Go - Air Conditioning units
- ❖ Complete plans incl. Qualification and validation
- ❖ Maintenance and Service
and
- ❖ World wide Service

Other solutions include:

Media Bridges

Medical gas supply (oxygen, compressed air, instrument actuating air, CO₂, N₂O), anaesthetic gas extraction system in keeping with power supply acc. to DIN VDE 0100, Section 710 and DIN EN ISO 13485.

Air Extraction

Our fluff separators meet DIN 1946-4 for exhaust air passages to protect exhaust air Ducts, easily dismantable, made of stainless steel.

Regulation

Remote control panels for individually adjusting of the air-conditioning system, lighting of the OT table and IT network monitoring unit.

Illumination

Hygiene recessed light fixtures (IP 65 protection class) with toughened laminated safety glass and aluminium frames. Individually adjustable reflectors can reduce any dazzle.

All equipment is configured to reflect customer requirements.

